

Fig. 1

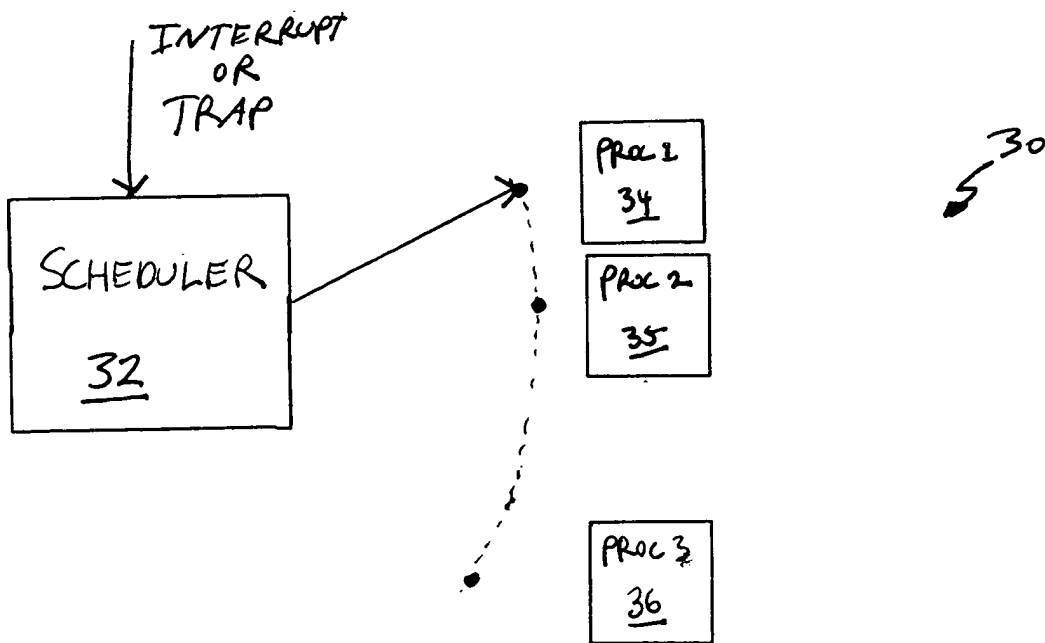
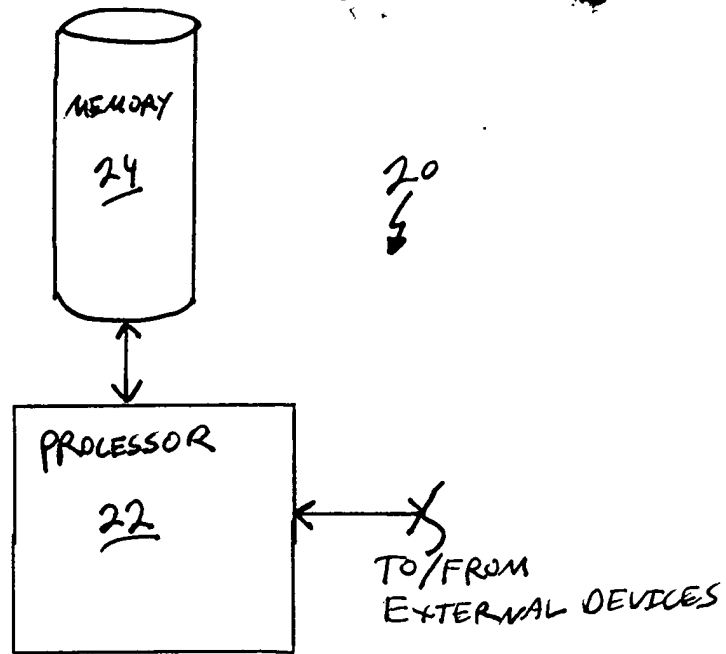


Fig. 2

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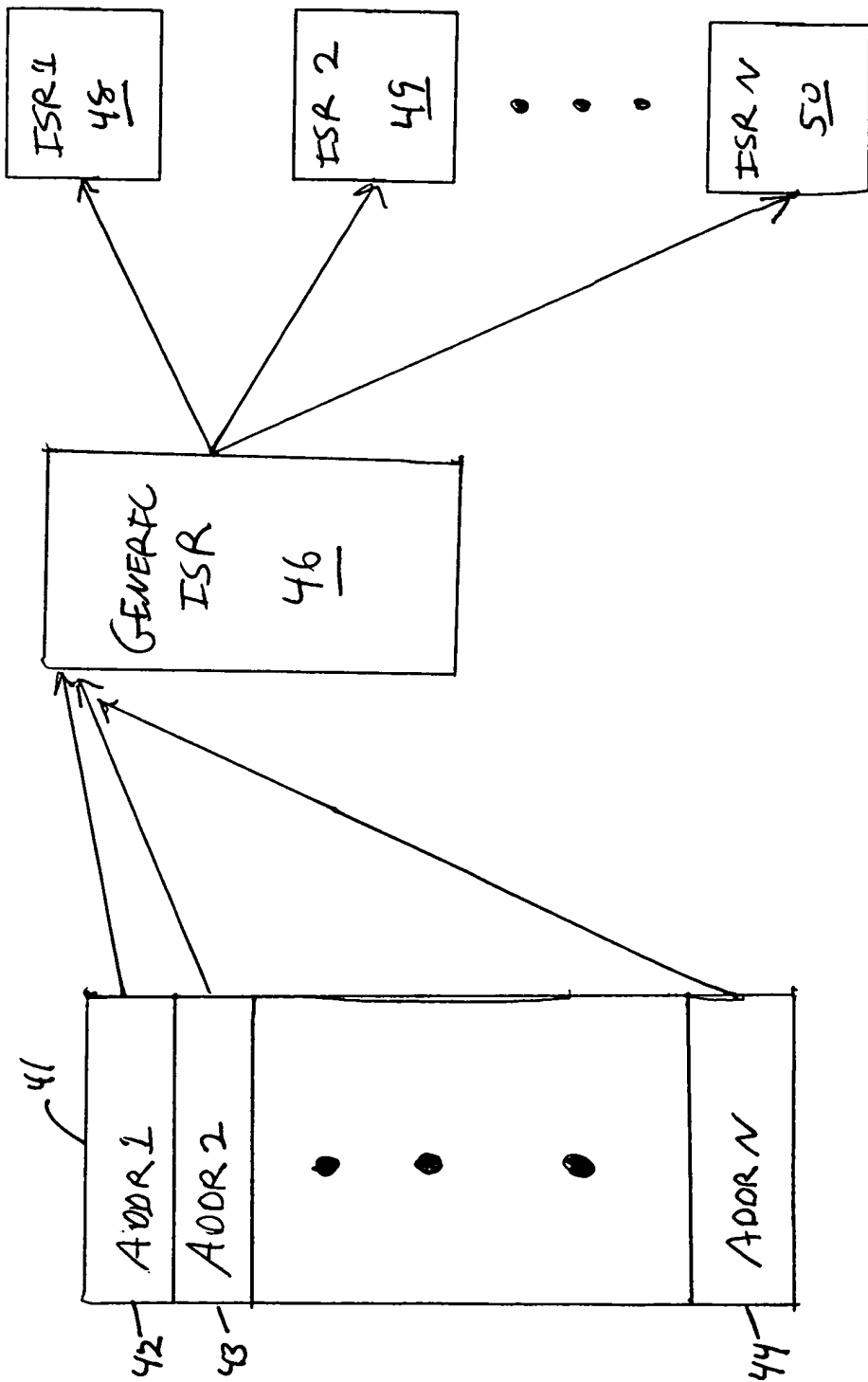


Fig. 3

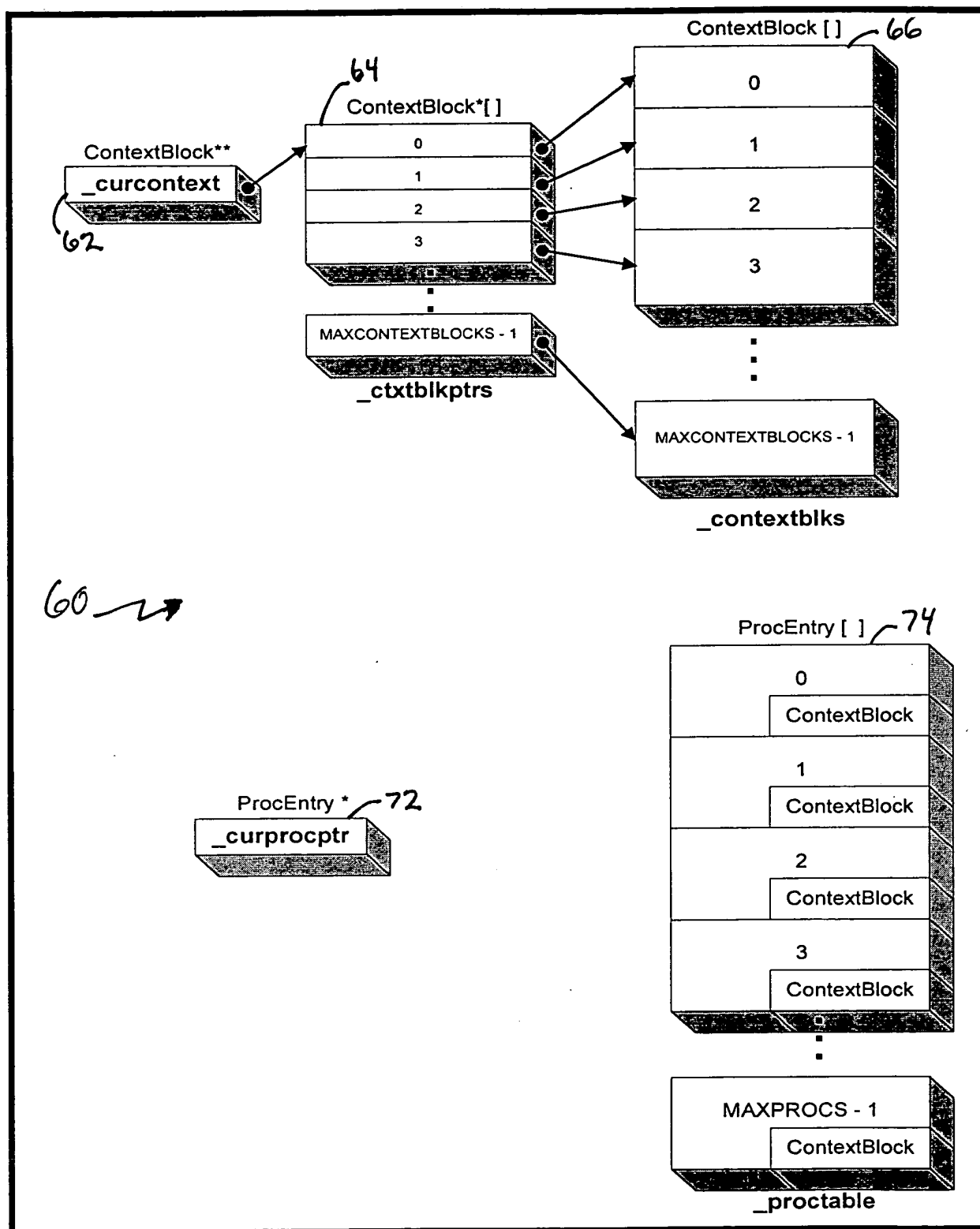
[illegible]

Fig. 4

The diagram illustrates the structure of context blocks and their pointers. It shows a stack of context blocks, each containing a 'scheduler context' field. The stack is indexed from 0 to MAXCONTEXTBLOCKS - 1. A pointer named `_curcontext` points to the current context block. A pointer named `_curprocptr` points to the current process entry. A dashed arrow indicates the flow from the 'scheduler context' field of the current context block to the 'scheduler' field of the current process entry.

```

graph TD
    subgraph ContextBlockArray [ContextBlock*[]]
        direction TB
        CB0[0]
        CB1[1]
        CB2[2]
        CB3[3]
        CBdots[...]
        CBmax[MaxContextBlocks - 1]
    end

    subgraph ContextBlockStack [ContextBlock[]]
        direction TB
        SC0[scheduler context]
        SC1[1]
        SC2[2]
        SC3[3]
        SCdots[...]
        SCmax[MaxContextBlocks - 1]
    end

    subgraph ContextBlockPtrs [ContextBlock**]
        curcontext[_curcontext]
    end

    subgraph ProcEntryPtrs [ProcEntry*]
        curprocptr[_curprocptr]
    end

    subgraph Scheduler [scheduler]
        scheduler[32]
    end

    curcontext --> CB0
    CB0 --> SC0
    CB1 --> SC1
    CB2 --> SC2
    CB3 --> SC3
    CBmax --> SCmax
    curprocptr --> CBmax
    SC0 -.-> scheduler

```

FIG. 5

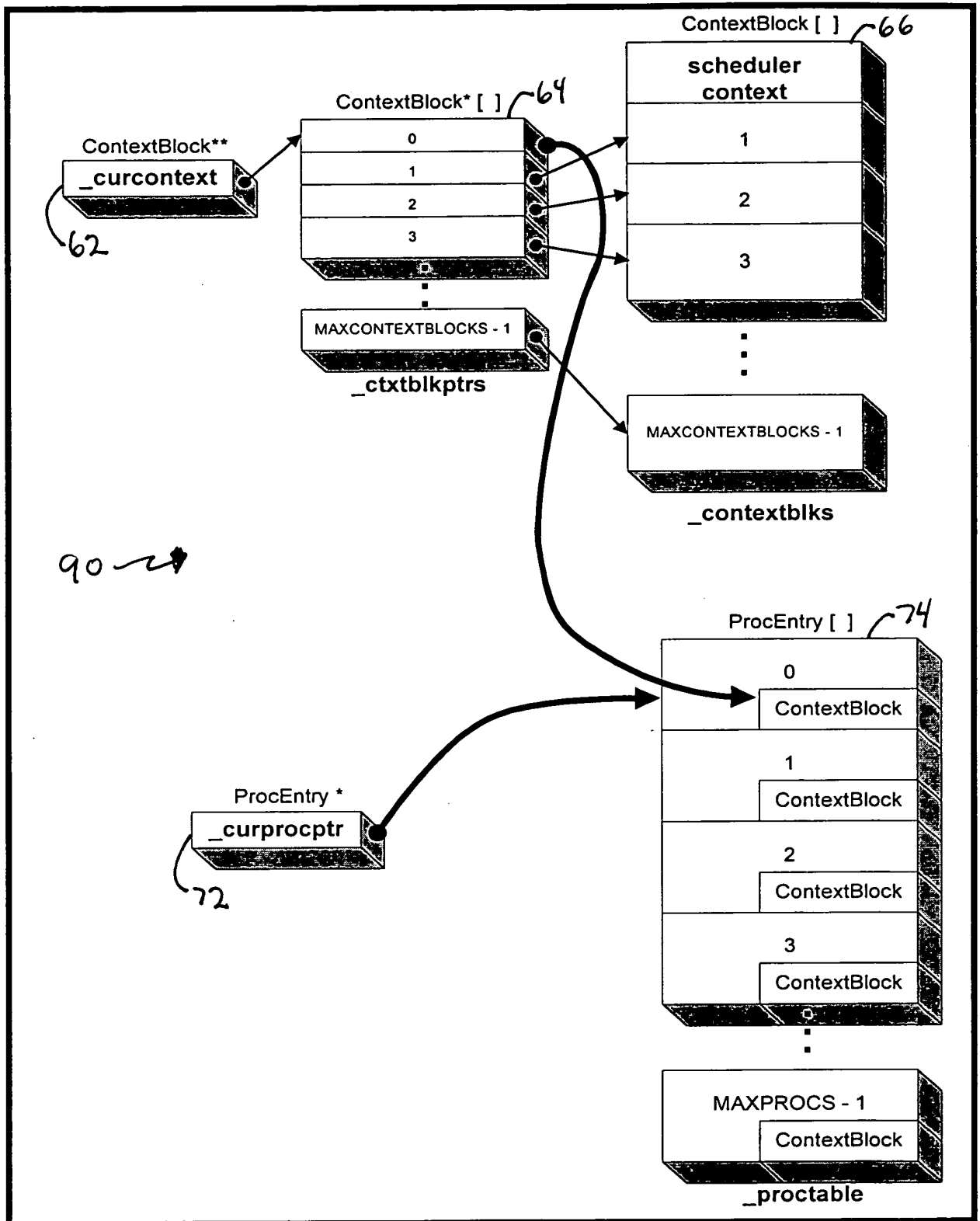


FIG. 6

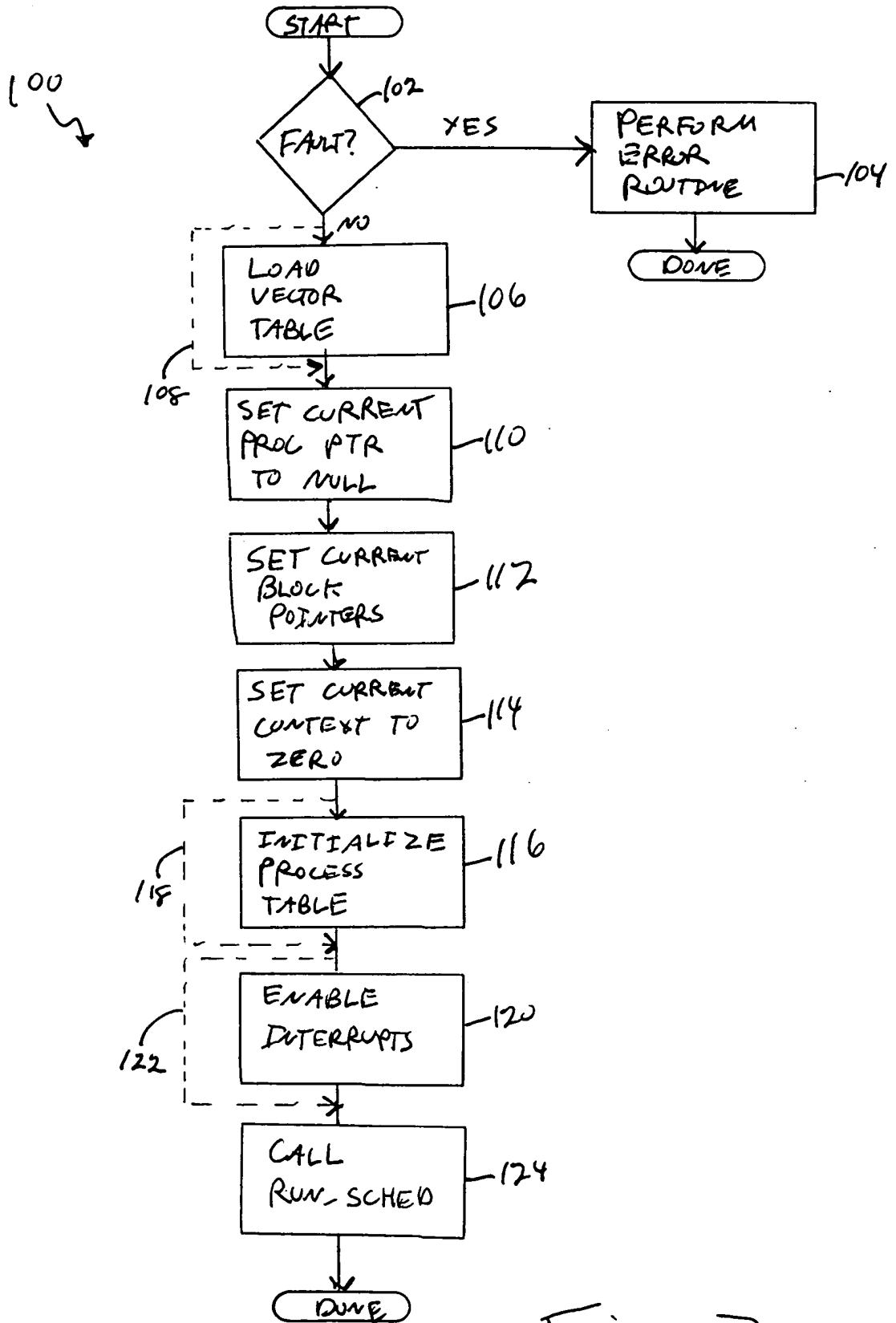
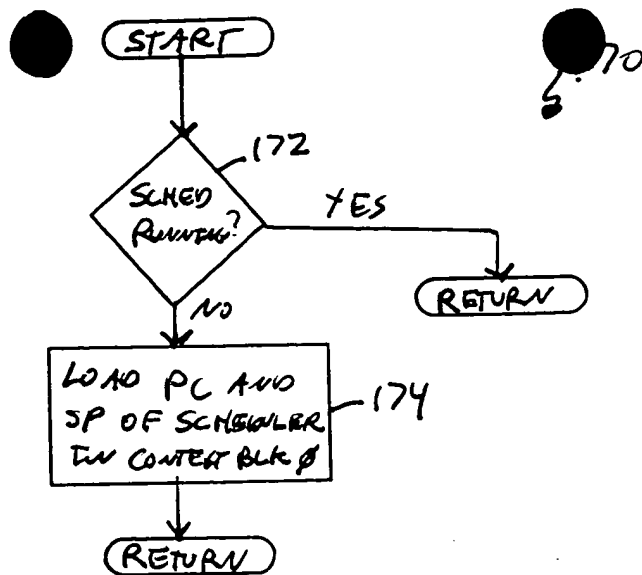


Fig. 7

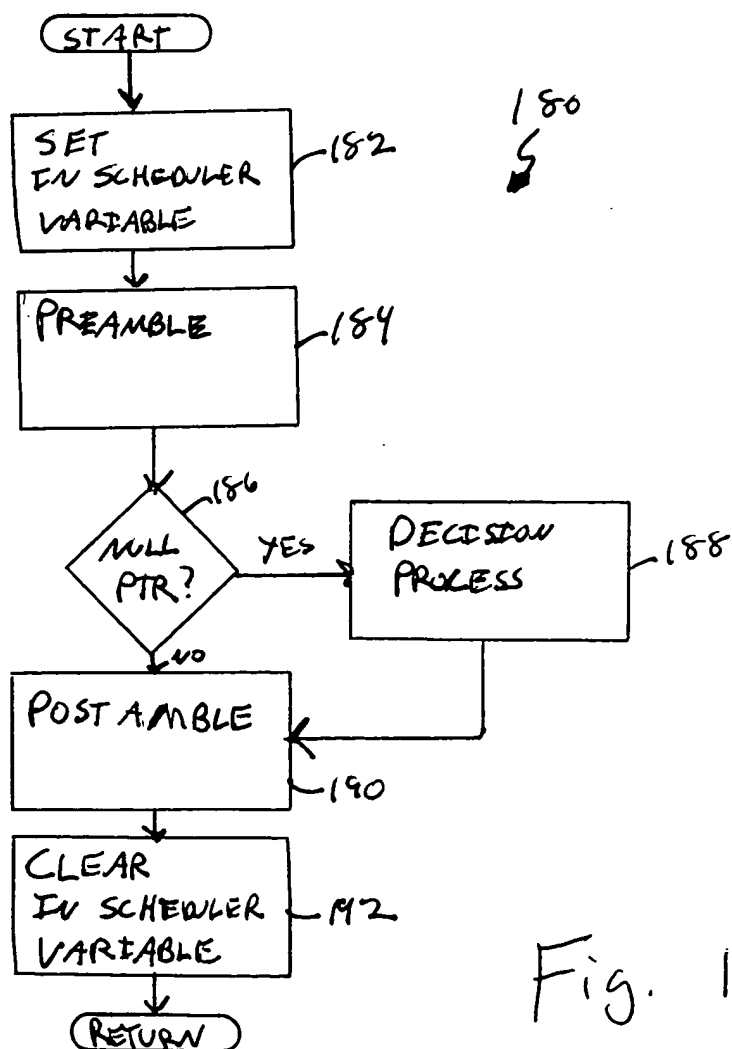
DECEMBER 7



FIG. 9



F#G. 10



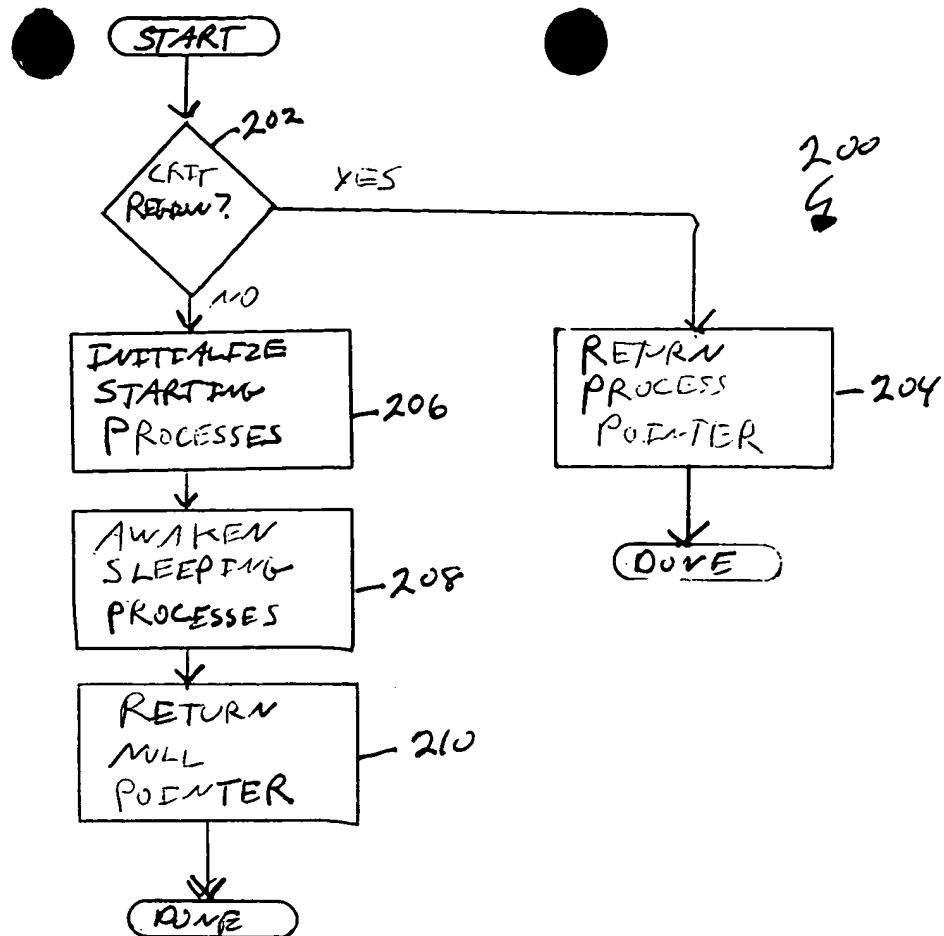


Fig. 12

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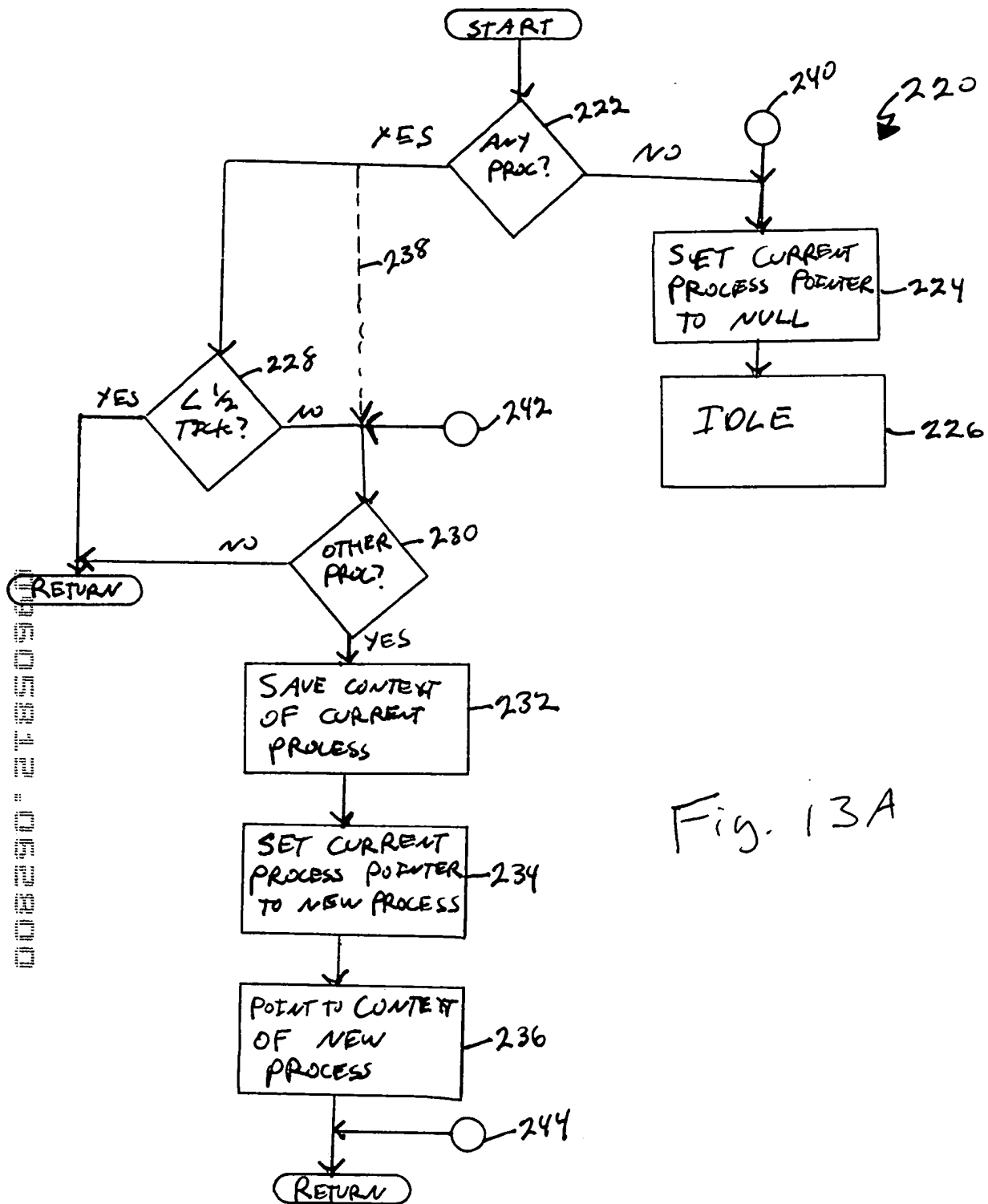
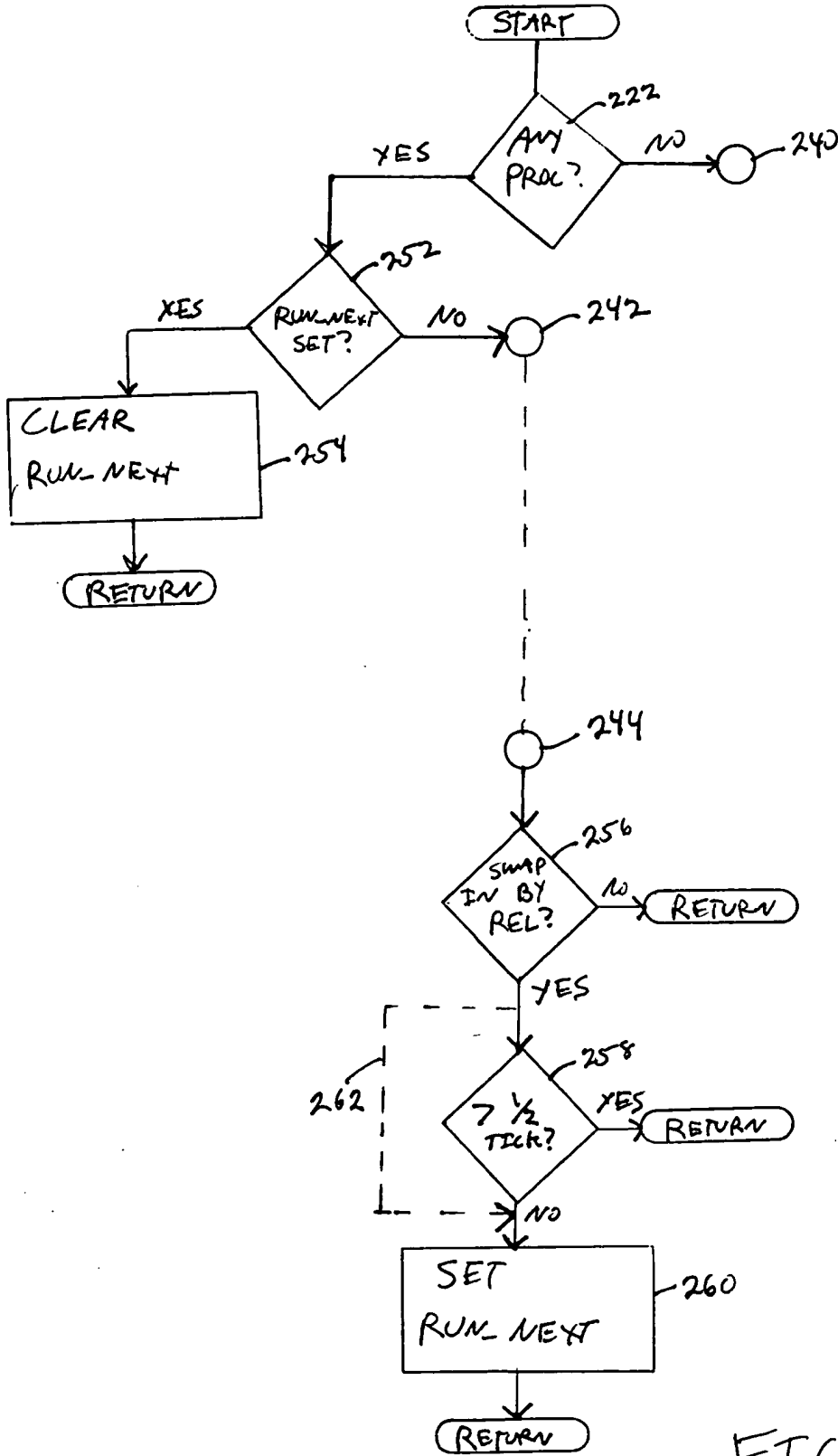


Fig. 13A

FIG. 13B



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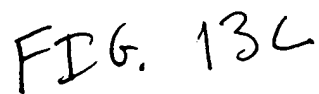


FIG. 13C

```

graph TD
    270((START)) --> 272{SIGNAL SET?}
    272 -- YES --> 274[SAVE PC AND STATUS]
    274 --> 276[PC = SIGNAL HANDLER]
    276 --> 278{NEW PROC?}
    272 -- NO --> 278
    278 -- YES --> 280[INCREMENT CURRENT CONTEXT]
    280 --> 282[RESTORE CONTEXT]
    278 -- NO --> 279([RETURN])
  
```

Fig. 14

```

graph TD
    START([START]) --> 292[DECREMENT  
CURRENT  
CONTEXT]
    292 --> 294[SET UP  
RETURN PC, SP,  
AND REGISTERS]
    294 --> 296[RETURN  
FROM  
INTERROUT]
    296 --> 290((290))
    290 --> START

```

Fig. 15